THE WORLD'S LARGEST COPPER PLANT.

An industrial motion picture film produced by the TEXT-FILMS PRODUCTION COMPANY of Washington, D.C., for the Baltimore Copper Smelting and Rolling Company, Baltimore, Md.

This film tells the story of copper from the arrival of the pig copper from the mines to its final shipping as finished bars, rolls and sheets and other forms of commercially pure copper.

A sequence of animated photography shows those world areas from which the copper arrives. This is followed by the reception of the copper proper both by water and rail.

The copper is melted in two different groups of furnaces. In the first group is cast to a shape necessary for the first of two electrolytic refining processes. This first is known as the multiple system which is conducted in a group of buildings known as the Multiple Tank House. The second furnace group casts the copper into a cake form which is rolled in the anode rolling mill. After being flattened and sheared to the desired size, this copper form goes to the second group of electrolytic refineries known as the Series Tank House.

The resultant copper from both Series and Multiple Tank Houses is now 99.99 percent pure. The refined shapes are charged simultaneously into a final furnace group from which they emerge in the cast forms used in the commercial markets. The wire-bars, wedges, cakes, etc. are placed in large storage areas from which they are shipped to all parts of the world.

The second section of the picture then follows. A considerable portion of the shapes known as cakes are utilized by the Baltimore Copper Smelting and Rolling Company in their own sheet mills for the manufacture of tinned and polished sheets, strips and rolls. These cakes are pre-heated and broken down in the Roughing Mill. After the necessary treatment, they are sent to the Hot Mill where they are rolled to the desired gauge and temper. They are then annealed and sent to the Finishing Mill. Strip rolling, coiling, tinning, shearing, polishing and packing take place here and the finished copper is then sent off. The picture ends with scenes of the chemical and physical laboratories maintained to control the various processes. These scenes are followed by another animated sequence showing the copper distribution. In various parts of the film, scenes appear in natural colors.

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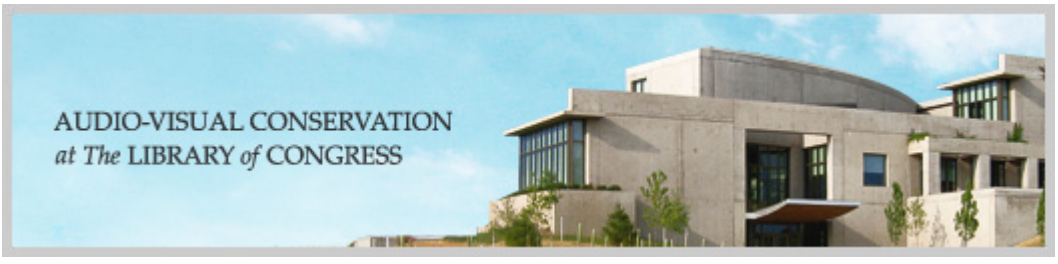

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